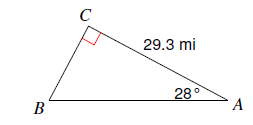
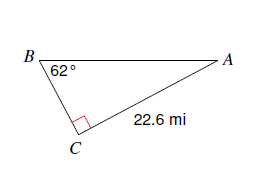
Algebra 2 Mini-Test Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Solve each triangle.**



1. 2.

AB ≈ \_\_\_\_\_\_ AB ≈ \_\_\_\_\_\_

BC ≈ \_\_\_\_\_\_ BC ≈ \_\_\_\_\_\_

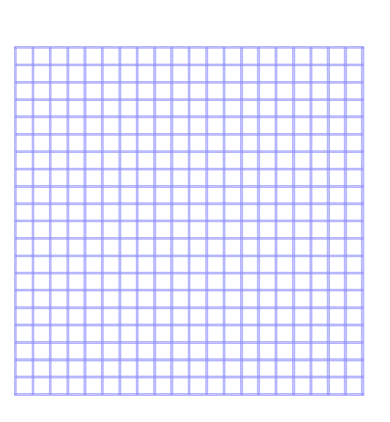
<CAB = \_\_\_\_\_\_ <CBA = \_\_\_\_\_\_

**Without using a unit circle or your calculator, fill in each value.**

3. sin = 1 = \_\_\_\_\_\_ 5. tan = 1 = \_\_\_\_\_\_

4. cos = = \_\_\_\_\_\_ 6. sec = = \_\_\_\_\_\_

**7. A flat 8 foot plank rests with one end on the ground and the other end on a 6 foot ledge. What is the angle of elevation of the plank? Draw a picture with labels and write the trig equation you used to solve the problem.**

**8. Using your homework from yesterday, sketch the tangent curve graph.**